

## § 21.44

(b) *Authorized uses.* (1) As a raw material:

511. Vinegar.

(2) Miscellaneous uses:

812. Product development and pilot plant uses (own use only).

### § 21.44 Formula No. 19.

(a) *Formula.* To every 100 gallons of alcohol add:

One hundred gallons of ethyl ether.

(b) *Authorized uses.* (1) As a solvent:

031. Photographic film and emulsions.  
034. Cellulose intermediates and industrial collodions.  
241. Collodion, U.S.P.

(2) Miscellaneous uses:

812. Product development and pilot plant uses (own use only).

### § 21.45 Formula No. 20.

(a) *Formula.* To every 100 gallons of alcohol add:

Five gallons of chloroform.

(b) *Authorized uses.* (1) As a raw material:

579. Miscellaneous chemicals (chloroform).

(2) Miscellaneous uses:

812. Product development and pilot plant uses (own use only).

### § 21.46 Formula No. 22.

(a) *Formula.* To every 100 gallons of alcohol add:

Ten gallons of formaldehyde solution, U.S.P.

(b) *Authorized uses.* (1) As a solvent:

420. Embalming fluids and related products.  
430. Sterilizing and preserving solutions.  
470. Theater sprays, incense, and room deodorants.

(2) Miscellaneous uses:

812. Product development and pilot plant uses (own use only).

### § 21.47 Formula No. 23-A.

(a) *Formula.* To every 100 gallons of alcohol add:

Eight gallons of acetone, U.S.P.

(b) *Authorized uses.* (1) As a solvent:

011. Cellulose coatings.  
012. Synthetic resin coatings.

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013. Shellac coatings.  
014. Other natural resin coatings.  
015. Candy glazes.  
016. Other coatings.  
032. Transparent sheeting.  
034. Cellulose intermediates and industrial collodions.  
035. Soldering flux.  
036. Adhesives and binders.  
042. Solvents and thinners (other than proprietary solvents or special industrial solvents).  
052. Inks (including meat branding inks).  
053. Stains (wood, etc.).  
111. Hair and scalp preparations.  
112. Bay rum.  
113. Lotions and creams (hand, face, and body).  
114. Body deodorants and deodorant creams.  
141. Shampoos.  
142. Soaps and bath preparations.  
210. External pharmaceuticals, not U.S.P. or N.F.  
244. Antiseptic solutions, U.S.P. or N.F.  
249. Miscellaneous external pharmaceuticals, U.S.P. or N.F.  
331. Processing pectin.  
332. Processing other food products.  
341. Processing crude drugs.  
342. Processing glandular products, vitamins, hormones, and yeasts.  
343. Processing antibiotics and vaccines.  
344. Processing medicinal chemicals (including alkaloids).  
345. Processing blood and blood products.  
349. Miscellaneous drug processing (including manufacture of pills).  
358. Processing other chemicals.  
359. Processing miscellaneous products.  
410. Disinfectants, insecticides, fungicides, and other biocides.  
420. Embalming fluids and related products.  
430. Sterilizing and preserving solutions.  
440. Industrial detergents and soaps.  
450. Cleaning solutions (including household detergents).  
482. Miscellaneous dye solutions.  
485. Miscellaneous solutions.

(2) As a fluid:

740. Refrigerating uses.  
750. Miscellaneous fluid uses.

(3) Miscellaneous uses:

812. Product development and pilot plant uses (own use only).

### § 21.48 Formula No. 23-F.

(a) *Formula.* To every 100 gallons of alcohol add:

Three pounds of salicylic acid, U.S.P., 1 pound of resorcinol (resorcin), U.S.P., and 1 gallon of bergamot oil, N.F. XI, or bay oil (myrcia oil), N.F. XI.

(b) *Authorized uses.* (1) As a solvent:

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111. Hair and scalp preparations.  
210. External pharmaceuticals, not U.S.P. or N.F.

(2) Miscellaneous uses:

812. Product development and pilot plant uses (own use only).

**§ 21.49 Formula No. 23-H.**

(a) *Formula.* To every 100 gallons of alcohol add:

Eight gallons of acetone, U.S.P., and 1.5 gallons of methyl isobutyl ketone.

(b) *Authorized uses.* (1) As a solvent:

111. Hair and scalp preparations.  
113. Lotions and creams (hand, face, and body).  
210. External pharmaceuticals, not U.S.P. or N.F.  
220. Rubbing alcohols.  
410. Disinfectants, insecticides, fungicides, and other biocides.  
450. Cleaning solutions (including household detergents).

(2) Miscellaneous uses:

812. Product development and pilot plant uses (own use only).

**§ 21.50 Formula No. 25.**

(a) *Formula.* To every 100 gallons of alcohol add:

Twenty pounds of iodine, U.S.P., and 15 pounds of either potassium iodide, U.S.P., or sodium iodide, U.S.P.

(b) *Authorized uses.* (1) As a solvent:

230. Tinctures of iodine.  
249. Miscellaneous external pharmaceuticals, U.S.P. or N.F.

(2) Miscellaneous uses:

812. Product development and pilot plant uses (own use only).

**§ 21.51 Formula No. 25-A.**

(a) *Formula.* To every 100 gallons of alcohol add:

A solution composed of 20 pounds of iodine, U.S.P.; 15 pounds of either potassium iodide, U.S.P., or sodium iodide, U.S.P.; and 15 pounds of water.

(b) *Authorized uses.* (1) As a solvent:

230. Tinctures of iodine.  
249. Miscellaneous external pharmaceuticals, U.S.P. or N.F.

(2) Miscellaneous uses:

812. Product development and pilot plant uses (own use only).

**§ 21.52 Formula No. 27.**

(a) *Formula.* To every 100 gallons of alcohol add:

One gallon of rosemary oil, N.F. XII, and 30 pounds of camphor, U.S.P.

(b) *Authorized uses.* (1) As a solvent:

210. External pharmaceuticals, not U.S.P. or N.F.  
243. Liniments, U.S.P. or N.F.

(2) Miscellaneous uses:

812. Product development and pilot plant uses (own use only).

**§ 21.53 Formula No. 27-A.**

(a) *Formula.* To every 100 gallons of alcohol add:

Thirty-five pounds of camphor, U.S.P., and 1 gallon of clove oil, N.F.

(b) *Authorized uses.* (1) As a solvent:

210. External pharmaceuticals, not U.S.P. or N.F.  
410. Disinfectants, insecticides, fungicides, and other biocides.

(2) Miscellaneous uses:

812. Product development and pilot plant uses (own use only).

**§ 21.54 Formula No. 27-B.**

(a) *Formula.* To every 100 gallons of alcohol add:

One gallon of lavender oil, N.F., and 100 pounds of green soap, U.S.P.

NOTE. The requirements of this formula may be met by adding 1 gallon of lavender oil, N.F., and 66.5 pounds of U.S.P. quality soap concentrate containing 25 percent water to 100 gallons of alcohol and, after mixing, by adding thereto 33.5 pounds of water and again mixing.

(b) *Authorized uses.* (1) As a solvent:

141. Shampoos.  
210. External pharmaceuticals, not U.S.P. or N.F.  
243. Liniments, U.S.P. or N.F.  
410. Disinfectants insecticides, fungicides, and other biocides.

(2) Miscellaneous uses:

812. Product development and pilot plant uses (own use only).